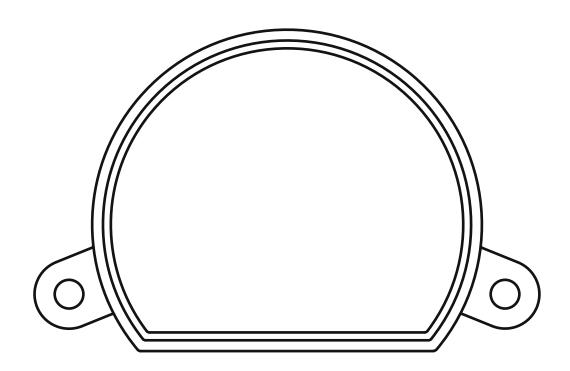
MCU-DM150





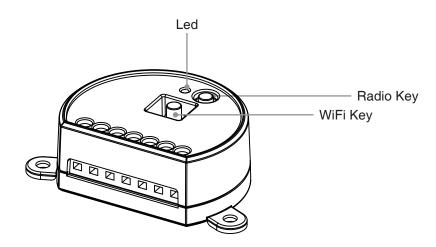
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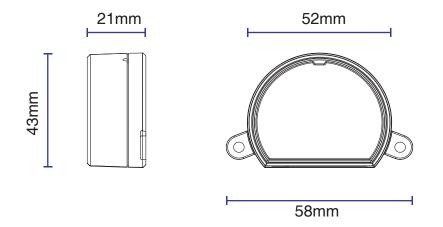
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1 - PRODUCT FEATURES

1.1 TECHNICAL DATA

Power supply (Input)	230Vac
Load type (Output)	230Vac load
Max power load (Output)	150W
N° of programmable transmitters	30
RF receiver frequency	433.920MHz
Protection rating	IP20
Working temperature	-20° +55°
Box dimensions	52x43x21 mm



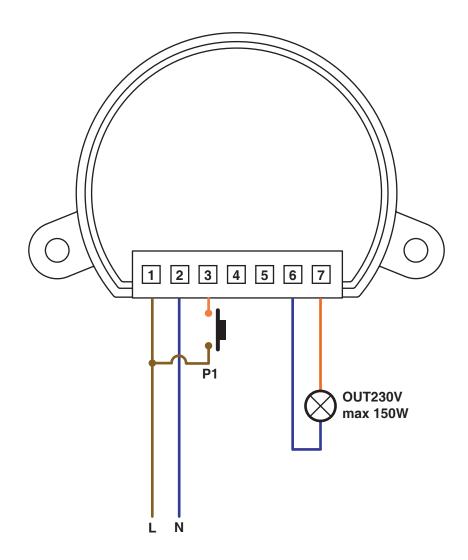


2 - CONNECTION DIAGRAMS

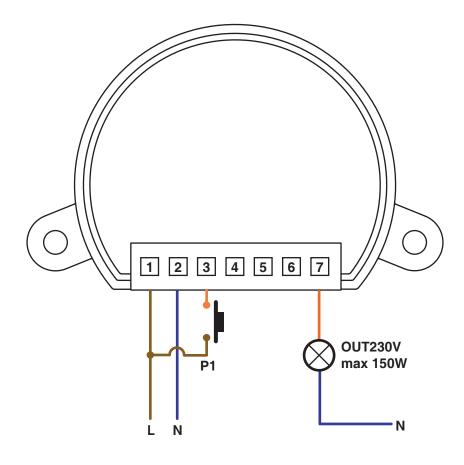
RECOMMENDATIONS

- Installation must be carried out only by professional technicians in accordance with the applicable electrical and safety regulations.
- All connections shall be operated without electrical voltage.
- Use proper cables.
- Don't cut the antenna
- Provide in the power line twith an appropriate disconnection device
- Dispose of waste materials in full compliance with local law.
- Do not exceed the specified load limits and use correctly protected power supplies.

2.1 CONNECTION DIAGRAM WITH NEUTRAL FROM CONTROL UNIT



2.2 CONNECTION DIAGRAM WITH NEUTRAL FROM THE ELCTRICAL SYSTEM



3 - USE OF THE CONTROL UNIT

3.1 USE VIA WIRE

Once connected, the button is already active with On/Off and dimmer function.

3.2 USE VIA RADIO

To control the loads via radio you must have compatible transmitters and therefore must carry out the association procedure, see paragraph 4.

4 - MANAGEMENT WITH REMOTE CONTROL

This procedure lets you programme/delete compatible transmitters.

Multifunctional transmitters, codes:

HB70-SLCT, HB70-SPCT,

HB80-1C, HB80-1DIM, HB80-2L, HB80-30D, HB80-30RGBW, HB80-4C, HB80-4DIM, HB80-4L, HB90-6LT,

ROUND-1SP,

SENSA-M, SENSA-P, SENSA-R35M, SENSA-R35P, SENSA-R35T, SENSA-T,

 ${\tt TOUCH-1,TOUCH-1CCT,TOUCH-1DIM,TOUCH-1SP,TOUCH-1L\,,TOUCH-1RGBW,TOUCH-3C,TOUCH-4DIM,TOUCH-CFU}\\$

With multifunctional transmitters the transmitter control modes depend on the model used.

Refer to the transmitter manual, to the paragraph entitled "commands sent by the transmitter", bearing in mind that this is an Dimmer device.

Generic (wireless bus) transmitters, codes:

HB80-6G, MCU-TX4, TOUCH-1G, TOUCH-2G, TOUCH-4G, TOUCH-LOCK4, TOUCH-TX2, ROUND-1G

With generic transmitters, the function of the button is On/Off and dimmer

The function of the generic transmitters can be customized using the procedure in paragraph 7.2.

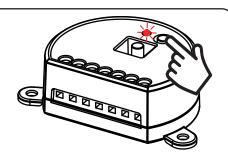
4.1 - RADIO PROGRAMMING

This procedure lets you programme compatible multifunctional or generic transmitters.

STEP 1

Press the button radio on the receiver for a short time.

The LED comes on and stays on.

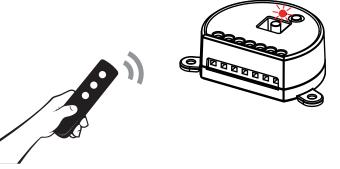


AZIONE: Short pressure RADIO button LED: Turns on red



Within 60 seconds make a transmission with the transmitter to be saved.

The LED on the receiver Flashes 3 times and turns off.



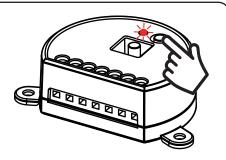
AZIONE: Short pressure **LED:** Flashes 3 times

4.2 - DELETION OF REMOTE CONTROL

These procedures let you delete from the memory transmitters that have already been programmed.

STEP 1

Hold the receiver button RADIO down (about 8 seconds.) until the LED begins to Flash.



ACTION: Hold button RADIO down LED: Flashes red

DELETION OF SINGLE TRANSMITTER

DELETION OF ALL TRANSMITTER SAVED

STEP 2a

Within 10 seconds make a transmission with the transmitter that you want to delete.

The LED flashes quickly and turns off.



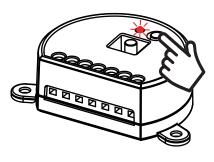


ACTION: Make a transmission with the transmitter **LED:** Flashing quickly and turns off

STEP 2B

Within 10 seconds press the button RADIO on the receiver for a short time to confirm the delection of all transmitters.

The LED starts Flashing quickly and turns off.



ACTION: Short press of button RADIO **LED:** Flashing quickly and turns off

5 - ADVANCED PROGRAMS

5.1 - SETTING ADJUSTABLE MINIMUM BRIGHTNESS

Default: 20%

This procedure allows you to set the minimum level of brightness at which it is possible to adjust the load. The minimum level of brightness accepted at switch-on and dimming depends on the type of load connected.

STEP 1

Press and hold buttons RADIO and WIFI simultaneously, the LED is cyclically green and blu.

Release the key when the led is green.

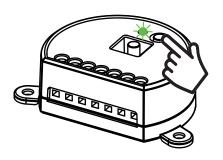


ACTION: Long press of buttons RADIO e Wi Fi LED: Turns on green/blu



Press the button RADIO on the receiver for a short time.

The led starts to Flash.



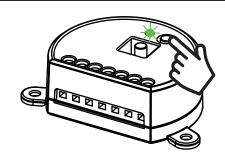
ACTION: Short pressure RADIO button LED: Flash

STEP 3

With the wired input or transmitter or app, set the desired minimum brightness

STEP 4

Press the button RADIO on the receiver for a short time. The led turns off.



ACTION: Short pressure RADIO button LED: Turns off

^{*} if the light is set to off, the default minimum intensity value is reset.

5.2 - FUNCTION CUSTOMIZATION OF THE "WIRELESS BUS" GENERIC TRANSMITTER BUTTONS

The following procedure allows you to set a custom function to the "wireless bus" family transmitter button.

GENERIC RADIOTRANSMITTERS (WIRELESS BUS), CODES: HB80-6G, MCU-TX4, TOUCH-1G, TOUCH-2G, TOUCH-4G, TOUCH-LOCK4, TOUCH-TX2, ROUND-1G

PROCEDURE

STEP 1

Press the button 1.

The led turns on red.



ACTION: Short press of button 1 LED: Turns on red

STEP 2

Press the button 2 on the receiver for a short time and count the number of Flashes emitted by the LED:

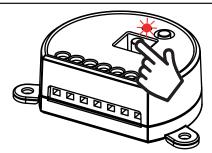
NUMBER OF FLASHES	FUNCTION
1	On
2	Off
3	On (short) / Dimmer Up (long)
4	Off (short) / Dimmer Down (long)
5	Dimmer Up
6	Dimmer Down
7	On/Off



ACTION: Short press of button Wi Fi **LED:** Count the number of Flashes

STEP 3

Press the button Wi Fi for a short time during the Flash that corresponds to the function desired to end the count. The led stop Flashes

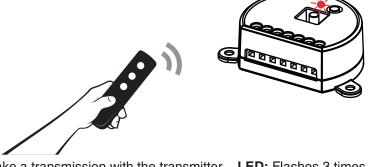


ACTION: Short pressure of button Wi Fi during the Flash LED: Stop Flashes

STEP 4

Make a transmission with the transmitter to be saved (see transmitter manual, paragraph entitled "transmitter programming").

The LED on the receiver Flashes 3.times and turns off.



ACTION: Make a transmission with the transmitter **LED:** Flashes 3 times

5.3 - SETTING TIMING

Default: 18 hours

This procedure is used to set the time for which the Leds stays on before an automatic switch off.

All commands reset the time count to zero, excluding the following commands that will immediately turn off the light: short press by wired push button, command OFF by radiotransmitter, comand by App or voice.

PROCEDURE

STEP 1

Press and hold buttons RADIO and WIFI simultaneously.

The LED is cyclically green and blu.

Release the key when the led is green.



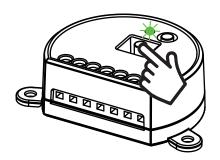
ACTION: Long press of buttons RADIO e Wi Fi LED: Green/Blu



STEP 2

Press the button WI FI on the receiver for a short time and count the number of Flashes emitted by the LED:

NUMBER OF FLASHES	FUNCTION
1	No timing
2	1 minute
3	5 minutes
4	15 minutes
5	30 minutes
6	1 hour
7	2 hours
8	3 hours
9	8 hours
10	12 hours
11	18 hours

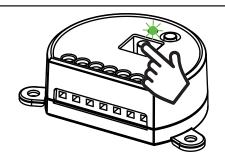


ACTION: Short pressure WI FI button LED: Flash



Press the button WIFI for a short time during the Flash that corresponds to the function desired to end the count.

The led turns off



ACTION: Short pressure Wi Fi button LED: Turns off

5.4 - LOAD STATE WHEN THE CONTROL UNIT IS SWITCHED ON

Default: Last value before the black out

This process is used to set the state of Leds when the control unit is switched on (for example when the power supply is provided by a general switch or timer).

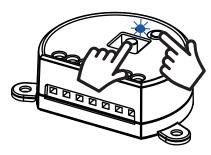
PROCEDURE

STEP 1

Press and hold buttons RADIO and WIFI simultaneously,

the LED is cyclically green and blu.

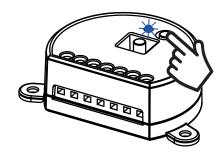
Release the key when the led is blu.



ACTION: Long press of buttons RADIO e Wi Fi LED: Turns on green/blu

STEP 2

Press the button RADIO on the receiver for a short time.



ACTION: Short pressure RADIO button LED: Flash

The led starts to Flash.



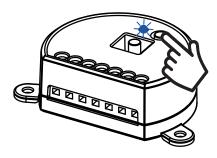
STEP 3

With the wired input or transmitter or app, set the desired brightness



STEP 4

Press the button RADIO on the receiver for a short time. The led turns off.



ACTION: Short pressure RADIO button LED: Turns off

^{*} if the light is set to off, the default is reset (last value)

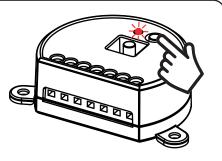
5.5 - RESET OF THE CONTROL UNIT

This procedure let you take the control unit back to factory settings.

PROCEDURE

STEP 1

Hold the receiver button RADIO down (about 5 seconds.) until the LED begins to Flash.

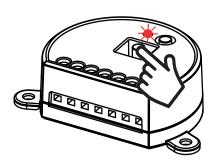


ACTION: Hold button RADIO down LED: Flashes red

STEP 2

Within 10 seconds, make a short press of Wi Fi button.

The LED 1 Flashes quickly and turns off.



AZIONE: Short press of Wi Fi button **LED:** the led Flash quicly and turns off



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